

| and the | sults of the development of the national economy in 1960 objective of the further economic development of our Uch.zap.Tuv.nauch.~issl.inst.iaz.lit.i ist. no.9:/1-48 (MIRA 15:5) (Tuva A.S.S.R.~Economic policy) |
|---------|--|
| | |

TOMILIN, K.I. Supports of viaducts and scaffold bridges. Avt. dor. 26 no.1: 27-30 Ja '63. (Comcrete construction) (Viaducts)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756220005-3"

YELISTRATOV, Flaviy Markienovich; KOLYUKO, Vadim Mikhaylovich; TOMILIN, Mikhail Sergeyevich; KOTSYUBENKO, V.V., inzh., nauchnyy red.; POLYAKOV, I.I., red.; SHISHKOVA, L.M., tekhn.red.

[Power units with free-piston gas generators] Silovye ustanovki so svobodnoporshnevymi generatorami gaza. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1959. 297 p.

(MIRA 12:8)

(Gas and oil engines)

FOMINYKH, F.D.; TOMILIN, N.F.; PARFENOY, V.V.

Gor ctless phase-shifting semiconductor device. Nauch. truly

KNIUI no.15:5-10 '64.

(MIRA 18:8)

EYR'KA, V.F.; KRAUS, E.G.; TOMILIN, N.F.; PARFENOV, V.V.; FOMINYKH, F.D.

Experimental stoping cutter-loader with a regulated c.c. drive. Nauch. trudy KNIUI no.15:23-40 '64. (MIRA 18:8)

RUBINSHTEYN, B.Sh.; TOMILIN, N.F.

Modern construction of flexible shielded cables. Nauch.
trudy KNIUI no. 11:104-109 '62. (MIRA 17:7)

LUR'YE, M., kand.tekhn.nauk; TOMILIN, N.M.

Using the method of chalk prints for determining the rolling radius of an automobile wheel. Avt.prom. no.3:37 Mr '60.

(MIRA 13:6)

1. Gosudarstvennyy soyuznyy ordena Trudovogo Krasnogo Znameni pauchno-issledovatel'skiy avtomobil'nyy institut.

(Automobiles-Wheels)

- 1. TOMILIN, N. N. GEL'FGAT, D. V. DOLMATOVSKIY, Yu
- 2. USSR (600)
- 4. Automobiles Testing
- 7. "Testing automobiles." B. S. Fal'kevich, N. V. Divakov. Reviewed by N. N. Tomilin, D. V. Gel'fgat, Yu. Dolmatovskiy. Avt. trakt. prom. no. 11, 1952

9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

- 1. TOMILIN, N. N.; GEL'FGAT, D. V.; and DOLMATOVSKIY, Yu. A.
- 2. USSR (600)
- 4. Fal'kevich, B. S.
- 7. "Testing automobiles." B. S. Fal'kevich, N. V. Divakov. Reviewed by N. N. Tomilin, D. V. Gel'fgat, Yu. A. Dolmatovskiy. Avt. trakt. prom. no. 11, 1952.

9. Monthly Lists of Russian Accessions, Library of Congress, March 1963, Unclassified.

OF A PART OF THE PROPERTY OF T

[Standard plans for precast reinforced concrete bridges and culverts and wooden bridges recommended for rural roads] Tipovye proekty zhelezobetonnykh sbornykh mostov, trub i dereviannykh mostov, rekomenduemykh dlia sel'skikh dorog. Moskva, Nauchno-tekhn. izd-vo M-va

avtomobil'nogo transporta i shosseinykh dorog RSFSR, 1961. 95 p.
(MIRA 14:11)

1. Moscow. Gosudarstvennyy institut po proyektirovaniyu avtorementnykh zavodov, garazhey, masterskikh i avtoeksploatatsionnogo khozyaystva.

(Bridges) (Culverts) (Roads—Design)

TOMILIN, P.I

AUTHORS

Bel'skiy, Ye.I., Tomilin, P.I.

32-8-29/61

TITLE

On the Method of Investigating the Inclination to

Deformation of Metals at High Temperatures.

(K metodike issledovaniya deformiruyemosti metallov pri

vysokikh temperaturakh.)

PERIODICAL

Zavodskaya Laboratoriya, 1957, Vol. 23, Nr 8,

pp. 957-958 (USSR)

ABSTRACT

The paper suggests the use of a device which permits tests at a temperature of 1350°C with the employment of a pendulum ram and a silican carbide furnace. For obtaining temperatures up to 1500°C a graphite furnace was used here which makes possible a rapid obtention of high temperatures. This speed is assumed as mean value on heating of a standard sample up to 1300°C and amounts to $\sim 0.5^{\circ}/\text{sec}$ in the given case. Higher heating speeds are obtained in an electric way. Heating to the maximum of magnetic transformation here yielded the speed of ~ 180°C/sec. (Examples are given). In elasticity tests difficulties in the seizing of the immovable ends may occur. The head seizure proved to be recommendable. A further difficulty represents the recording of the indicator diagrams in dynamic tests. In this case a special device is used which consists of a periodical

CARD 1/2

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32-8-29/61

On the Method of Investigating the Inclination to Deformation of Metals at High Temperatures.

clamping of the sample head according to the impact of the pendulum hammer. A further difficulty is the selection of the material of beaters which can deform at high temperatures or which, due to its porosity, permits the penetration of the test metal into the pores. Beaters of thermocorundum or mullite are recommended here. The beaters of thermocorundum require previous heating due to their insufficient thermal stability. In special cases beaters of ceramic material (static research) or of steel (in the case of short impact touch intervals) are used.

(2 illustrations)

ASSOCIATION:

Belorussian Polytechnical Institute. (Belorusskiy politekhnicheskiy institut)

AVAILABLE:

Library of Congress.

CARD 2/2

BEL'SKIY, Yevgraf Iosifovich; KAZACHENOK, Vladimir Isidorovich. Prinimal uchastiye BULAKH, V.N., kand.tekhn.nauk; TOMILIN. R., red.; KASHTAHOV, F., red.; STEPANOVA, H., tekhn.red.

[Handbook on drop forging] Spravochnoe posobie kuznetsa-shtampov-shchika. Minsk, Gos.izd-vo BSSR, Red.nauchno-tekhn.lit-ry, 1960.

489 p. (MIRA 13:11)

(Forging-Handbooks, manuals, etc.)

69192

SOV/137-59-12-27337

Translation from: Referativnyy zhurnal, Metallurgiya, 1959, Nr 12, pp 230 - 231 (USSR)

18.8200 AUTHOR:

Tomilin, R.I.

TITLE:

Mechanical Properties of Steels Approaching the Melting Point

PERIODICAL:

Sb. nauchn. rabot Belorussk. politekhn. in-t, 1958, Nr 73, pp 63 - 75

ABSTRACT:

Card 1/2

Mechanical Properties of Steels Approaching the Melting Point 69190

SOV/137-59-12-27337 and C content (in %), effective at all temperatures including the temperature of the

T.F.

Card 2/2

特式。 1955年 - 1950年 -

Tomilin, R.I.; BEL'SKIY, Ye.I.

Temperature of forging dies. Kuz.-shtam. proizv. 4 no.9;
11-13 S '62. (Mirk 15:9)

(Dies (Metalworking)--Thermal properties)

BEL'SKIY, Ye.I.; TOMILIN, R.I.

Durability of hammer and press dies depending on the weight of forgings. Kuz.-shtam.proizv. 4 no.8:11-13 Ag '62. (MIRA 15:8) (Dies (Metalworking)) (Forging)

TOMILIN, R.I., kand.tekhn.nauk

Investigating plastic deformations of steels at temperatures
near solidus line. Mash.Bel. no.4:17-22 *57. (MIRA 11:9)

(Steel--Testing) (Metals at high temperatures)

BEL'SKIY, Ye. I.; TOMILIN R. I.

Method for the investigation of deformability of metals at high temperatures. Zav. lab. 23 no.8:957-958 '57. (MIRA 10:11)

1. Belorusskiy politekhnicheskiy institut. (Deformations (Mechanics)) (Metals at high temperatures)

TOMILIN, R. I.

TOMILIN, R. I.: "Investigation of the plastic deformation of steels close to solidus with induction heating". Minsk, 1955. Min Higher Education USSR. Belorussian Polytechnic Inst imeni I. V. Stalin, Chair of Pressure-Working of Metals. (Dissertations for the Degree of Candidate of Technical Sciences.)

So: Knizhnaya letonis! No. 49, 3 December 1955. Moscow.

BEL'SKIY, Yevgraf Iosifovich; TOMILIN, Rem Ivanovich; KASPER, M., red.; MAKUSHOK, Ye., red.; VARENIKOVA, V., tekhn. red.

[Increasing the strength of dies for die forging]Povyshenie

[Increasing the strength of dies for die forging]Povyshenie stoikosti shtampov pri obmemnoi shtampovke. Minsk, Gos.izd-vo BSSR Red. nauchno-tekhn. lit-ry, 1962. 197 p. (MIRA 15:12) (Dies (Metalworking))

TCHILDI, S. A.

28599

Ochyeryednyye Zadachi Nauchno-Klinichyeskogo Izuchyeniya Lyekarstbyennykh ikastyeniy Vrachyeb Dyelo, 1949, No. 9, STB. 829-32 8. Ryentgyenologiyai Radiologiya

SC: LETOPIS NO. 38

TOMILIN, S. A.

35477. O Teraplevticheskom ispolizovanii lekarstvennykh vasteniy otechestvennoy flovy dlya lecheniya gipevtonicheskoy bolezni. Vracheb. delo, 1949, No. 11, stb. 1031-34.

Letonis' Zhurnal'nykh Statey, Vol. 48, Moskva, 1949

TOMILIN, S. D.

Electric Relays

Correcting current disconnections in the relay model ET-511. Rab. energ. 2 no. 9, 1952.

1958. Unclassified. 9. Monthly List of Russian Accessions, Library of Congress, December

TOMILIN, Valentin Konstantinovich; GARMASH, P., red.; FISENKO,A., tekhn. red.

[Let us introduce new and progressive methods]Novoe. pere

工业的指数主义共和国共享的共享的共享的共享的共享的共享的共享的共享的关系,由于企业的共享的

[Let us introduce new and progressive methods]Novoe, peredovoe - v zhizn'. Simferopol', Krymizdat, 1962. 22 p. (MIRA 15:11)

1. Sekretar' partiynogo byuro partiynoy organizatsii vagonnogo depo stantsii Simferopol' (for Tomilin).

(Simferopol'--Railroads)

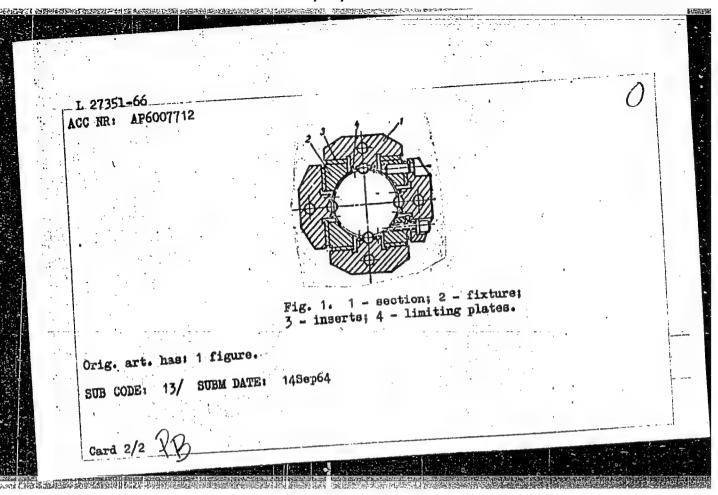
TOMILIN, V.S.

Dry bread crusher of the disintegrator type. Khleb. i kond. prom. 1 no.4442-43 Ap '57. (MLRA 10:5)

1. Molotovskiy trest Glavnogo upravleniya khlebopekarnoy promyshlennosti RSFSR.

(Crushing machinery)
(Bakers and bakeries--Equipment and supplies)

EWT(m)/T/ETC(m)-6 WW/DJL 27351-66 SOURCE CODE: UR/0413/66/000/003/0105/0106 ACC NR: AP6007712 AUTHORS: Kholmkvist, V. A.; Slepov, L. M.; Baranov, Yu. N.; Pekov, A. V.; Tomilin, V. S. ORG: none TITLE: Ball bearing. Class 47. No. 178618 SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 3, 1966, 105-TOPIC TAGS: ball bearing, antifriction bearing ABSTRACT: This Author Certificate presents a ball bearing for axial motion, consisting of a body with a closed channel which is filled with balls. To increase accuracy and reliability of the connection, the bearing body is constructed of several sections connected by a fixture. The sections fit into openings in the latter and interact with its bearing surfaces through inserts (see Fig. 1). To prevent the balls from falling out when the shaft is removed, an additional feature provides each section with two limiting plates which have inclined edges directed toward the balls. 621.822.76 Card 1/2 62-229.314



TOMILIN, Vitaliy Vasil'yevich; MEL'NIKOV, Yu.L., red.; KUZ'MINA, N.S., tekhn. red.

[Physiology, pathology and medicolegal expertise on hand-writing; on medicolegal identification of persons by their handwriting] Fiziologiia, patologiia i sudebnomeditsinskaia ekspertiza pis ma; k sudebnomeditsinskomu otozhdestveniiu ekspertiza pis ma; k sudebnomeditsinskomu otozhdestveniiu lichnosti po rukopisnomu tekstu. Moskva, Medgiz, 1963. 234 p

(MEDICAL JURISPRUDENCE) (WRITING--IDENTIFICATION)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756220005-3"

PANKRAT'YEV, Vladimir Pavlovich; TOMILIN, Yu.K.; MOISEYEV, L.K.:
KOSTINSKIY, D., red.

[United Republic of Tanzania] Obmedinennaia Respublika Tanzaniia. Moskva, Mysl, 1965. 94 p. (MIRA 18:4)

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756220005-3

AUTHOR:

Tomilin, Yu. A.

SOV-128-58-8-10/21

TITLE:

Ways to Increase the Productivity of a Cupola Furnace and to Reduce the Carbon Content in Malleable Iron (Puti povysheniya proizvoditel'nosti vagranki i snizheniya soderzhaniya ugleroda v kovkom chugune)

PERIODICAL:

Liteynoye proizvodstvo, 1958, Nr 8, p 18 (USSR)

ABSTRACT:

The productivity of a cupola furnace has been increased by removing a part of the lining and installing a water-cooled sleeve around it. In Figure 1, the cupola is only partially surrounded by water. In Figure 2, it is completely surrounded. The water is supplied under a pressure of 2-3 atm. The air is blown into the cupola at a rate of 8,000 m/h instead of 6,000 m/h in the former variant. Productivity rose from 5 to 7.5 t/h. To reduce the carbon content in the iron, only one row of tuyeres was installed in place of the usual three rows. There are 4 diagrams.

Blast furnaces—Effectiveness
 Blast furnaces—Cooling
 Iron—Production
 Carbon—Reduction

Card 1/1

Mays of increasing cupola furnace performance and reducing the carbon content in malleable cast iron. Lit. proist. no.8:18-19 Ag '58.

(Gupola furnaces) (Gast iron)

(MIRA 11:9)

TOMILINA, A.N., uchitel'nitsa

An evening of popular chemistry. Khim.v shkole 14 no.4:57-60 J1-Ag '59. (MIRA 12:11)

1. Srednyaya shkola No.52, st.Rzhev Kalininskoy zheleznoy dorogi.

(Chemistry -- Study and teaching)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756220005-3"

ABASHKIN, G.V.; KULIKOVA, I.B.; TOMILINA, D.N.

Determination of the value of maximum torque transmitted by carrier centers. Trudy Stud. nauch. ob-va LIEI no.3:28-38 '59. (MIRA 16:10)

TOMILINA, I.V.

Antiarrhythmic action of pascaine. Farm. i toks. 26 no.62 (MIRA 1832)

l. Kafedra farmakologii (zav.-prof. T.A. Mel'nikova) Leningradskogo khimiko-farmatsevticheskogo instituta.

YELINOV, N.P.; VITOVSKAYA, G.A.; TOMTLINA, I.V.

Study of the composition of polysaccharide haptenes from yeast fungi. Zhur.mikrobiol., epid. i immun. 42 no.3:43-47 Mr 165.

(MIRA 18:6)

1. Leningradskiy khimikc-farmatsevticheskiy institut.

BORODKIH, Yu.S.: ZAYNASHEVA, N.V.: TOMILINA, I.V.

Comparative features of action of tetraethylamnonium iodide and its monochlor derivative on the N-cholinoreactive systems. Trudy LSGMI 37:163-170 '58. (MIRA 12:8)

1. Kafedra farmakologii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav.kafedroy - deystvitel'nyy chlen AMN SSSR prof. S.V.Anichkov).

(TETRAETHYLAMMONIUM, eff., tetraethylammonium iodide & its monochlor deriv. on N-cholinoreactive system in skeletal musc. in cats (Rus))

(MUSCLES, eff. of drugs on same)

L5393 8/190/63/005/002/001/024 B101/B102

11,2321

AUTHORS:

Belyatskays, C. W., Dogadkin, B. A., Bobromyslova, A. V

TITLE:

study of the scorching of rubber mixtures.

III. Effect of vulcanization inhibitors on structural changes caused in the rubber by mastication and heat treatment

PERIODICAL:

Vysokomolekulyarnyje soyedineniya, v. 5, no. 2, 1963.

TEXT: Changes of intrinsic viscosity and molecular weight caused by mostication and heat treatment were studied in butadiene-etyrene rubber (KC-30AM (SKS-30AM) and natural rubber (NR) under the effect of the inhibitors N-nitroso-diphenyl amine (NDPA) and phthalic anhydride (PA). In SKS-30AM, the viscosity was not changed by addition of 1% NDAP or PA and 20 min mastication or 30-60 min heating to 120°C. Since, however, mastication and heat treatment effect complex structural changes in butyl styrene rubber, the factors of which are difficult to define, the effect of card 1/3

B/190/63/005/002/001/024 B101/B102

Study of the scorohing of

NDPA on NR was investigated. Viscosimetric determination of the molecular weight showed that mastication and heat treatment cause intensive degradation of NR which is not affected by NDPA. On mastication in Ar atmosphere the initial degradation was more intensive in the presence of HDPA, but after 60 min the molecular weight had dropped to the same value as without inhibitor. NDPA had no effect when the heat treatment was performed in Ar atmosphere. If NDPA was added to a toluenic solution of MR the viscosity dropped rapidly within the first 2-3 hrs and then gradually for 7 days. Results of tests with MR solution in argon: Heating of the MR solution without addition does not change the viscosity; an addition of 5 parts by weight NDPA reduces the viscosity at first rapidly and then more slowly: addition of methyl-phenyl triacene in a quantity equimolecular to NDFA reduces the viscosity even within the first 15 min to such an extent that subsequently no further reduction takes place. The HDPL effect in mastication is explained by its decomposition into diphenyl nitrogen and nitrogen; oxide. Nitrogen oxide aggregates with the polymer radicals that form as a result of the mechanical action, stabilizes the radicals and thus promotes the degradation. When NR is heated with NDPA in inert atmosphere. the free NDPA radicals are not able to induce degradation. In solutions, however, diphenyl nitrogen and nitrogen oxide have a degrading effect Card 2/3

Study of the scorching of ...

S/190/63/005/002/001/024 B101/B102

analogous to methyl-phenyl triacene decomposing into free radicals. The different effects of NDPA in solution and in bulk are explained by the "cellular effect". Since rubber is always processed in air the action of NDPA is negligible and cannot be compared with that of the atmospheric oxygen. The degradation effect of NDPA is not responsible for its efficiency as a vulcanisation inhibitor. There are 6 figures and 2 tables.

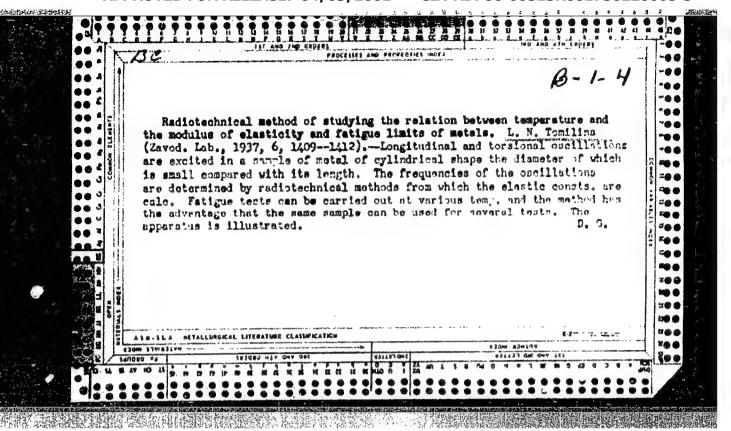
ASSOCIATION:

Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M. V. Lomonosova (Moscow Institute of Pine Chemical Technology imeni M. V. Lomonosov)

SUBMITTED:

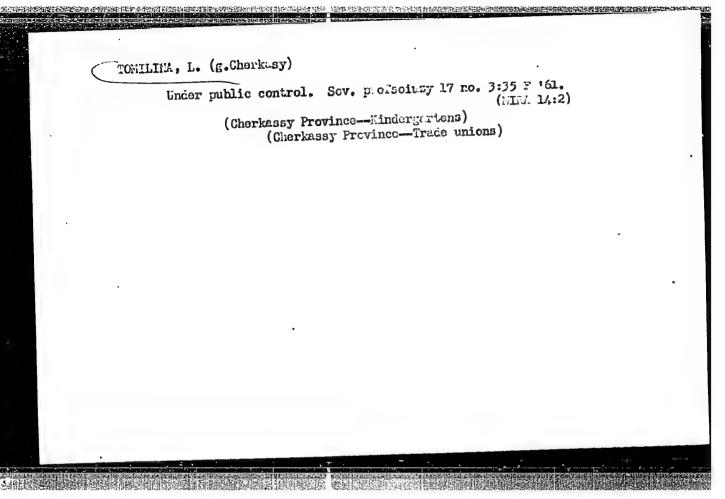
July 21, 1961.

Card 3/3



LOMILIAN, K.A. BABAYANTS, R.A., professor; BATMAHOVA, O.Ya., kand.med.nauk; VOLKOVA, N.V., kand . med . nauk; KIYAMOV, N.V., kand . med . nauk; LYKOVA. A.S., kand . med.nauk; MASOL'HIKOVA, T.K., kand.med.nauk; RUDEYKO, V.A., kand. med.nauk; TOHILINA, K.A., kand.med.nauk; SHISTOVSKIY, S.P., kand. med.nauk; KIRPICHEV, M.P., sanitarnyy vrach; MAKHINENKO, A.I., sanitarnyy vrach; OSHCHEPKOV, A.A., sanitarnyy vrach; PETROV, A.M., sanitarnyy wrach; ROSHAL', M.A., sanitarnyy wrach; SHEPELIN, O.P., sanitarnyy vrach Sewage irrigation of fields and sanitation of natural waters. Gig. (MIRA 10:12) i san. 22 no.9:64-67 5 157. 1. Zaveduyushchiy kafedroy Obshchey Gigiyeny Leningredskogo sanitarno-gigiyenicheskogo meditsinskogo instituta, chlenkorrespondent AMN SSSR (for Babayants) (WATER SUPPLY WATER POLLUTION sanitary protection of water reservoirs in use of sewage water for field irrigation) (IRRIGATION same)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756220005-3"

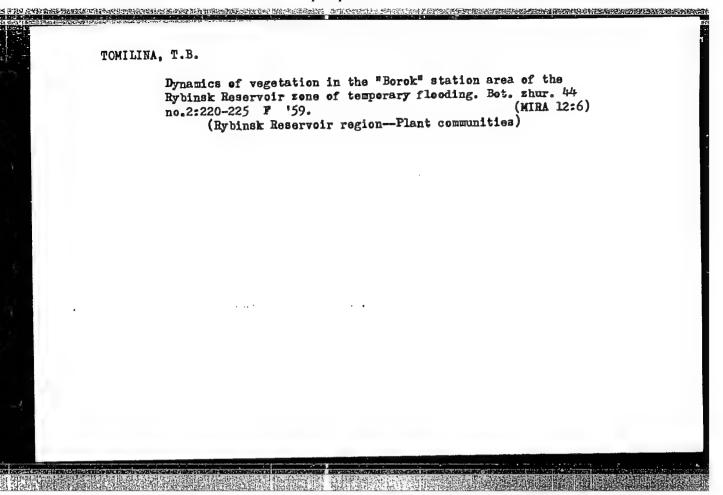


HELYATSKAYA, O.N.; DOGADKIN, B.A.; DOERCMYSLOVA, A.V.; TOMILINA, L.A.

Prevulcanization (scorching) of rubber compounds. Part 3: Effect of vulcanization inhibitors on structural changes in rubbers during mastication and heating. Vysokom.soed. 5 no.2:164-170 F 163. (MIRA 16:2)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni Lomonosova.

(Vulcanization) (Rubber-Analysis)



。 1914年,1918年,1918年,1918年,1918年,1918年,1918年,1918年,1918年,1918年,1918年,1918年,1918年,1918年,1918年,1918年,1918年,1918年,1

TOMILINA, T.B.

Vegetation in the periodic inundation zone of Rybinsk Reservoir in the region of the village of Borok. Bot.zhur. 45 no.1: 71-77 Ja '60. (MIRA 13:5)

1. Institut biologii vodokhranilishch poselka "Borok", Rybinskoye vodokhranilishche.
(Rybinsk Reservoir region-Botany-Ecology)
(Plants, Effect of water on)

TOMILINA, T. B.

Cand Biol Sci - (diss) "Vegetation of the zone of temporary inundationnof the Rybinskiy Reservoir in the region of the "Borok" bio-station." Leningrad, 1961. 17 pp; (Academy of Sciences USSR, Botanical Inst imeni V. L. Komarov); 250 copies; free; (KL, 7-61 sup, 228)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756220005-3"

MEDVEDEV, Yu.S.; TOMILINA, T.D.

Testing the stability of stainless steel austenite with a device with pendermotive action. Zav.lab. 30 no.3:314 '64. (MIRA 17:4)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut neftyanogo mashinostrcyeniya.

ACCESSION NR: APLO20016

5/0032/64/030/003/0314/0314

AUTHORS: Medvedev, Yu. S.; Tomilina, T. D.

TITLE: Investigating the stability of austemite in stainless steels with the help of ponderomotive equipment

SOURCE: Zavodskaya laboratoriya, v. 30, no. 3, 1964, 314

TOPIC TAGS: austenite, austenite stability, stainless steel, ponderomotive equipment, NIIKhIMMASh apparatus, ferromagnetic fraction, magnetic property, deformation

ABSTRACT: Ponderomotive equipment of the type described by V. P. Yesilevskiy and N. S. Akulov (Trudy* NIIKhIMMASh, vy*p. 34. Materialy* v khimicheskom mashinostroyenii (1960)) was used in determining the stability of austenite in stainless steels. The procedure involves measuring the force necessary to pull a permanent magnet from the surface of a sample. The apparatus makes it possible to determine the ferromagnetic fraction in the samples and to observe the influence of deformation on the stability of steel. Flat, scribed specimens are stretched up to failure, and their magnetic properties are measured in the scribed

Card 1/2

ACCESSION NR: AP4020046

zones and at the fracture. The amount of the magnetic phase formed is inversely proportional to the stability of steel. Orig. art. has: 1 graph.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 27Mar64

ENCL: 00

SUB CODE: ML

NO REF SOV: OOL

OTHER: 000

Card 2/2

L 07919-67 EWT(m) IJP(c)

ACC NR: AP6021991 SOURCE CODE: UR/0120/66/000/003/0019/0022

AUTHOR: Danilov, V. I.; Yenchevich, I. B.; Rozanov, Ye. I.; Tomilina, T. N.;

Shestov, A. V.

ORG: Joint Nuclear Research Institute, Dubna (Ob"yedinennyy institut yadernykh issledovaniy)

TITLE: Control of a 680 Nev synchrocyclotron //

SOURCE: Pribory i tekhnika eksperimenta, no. 3, 1966, 19-22

TOPIC TAGS: synchrocyclotron, particle acceleration, coincidence circuit

ABSTRACT: The paper presents a system of control of various synchrocyclotron operating conditions. A phototransducer, having an optico-mechanical connection with a high frequency generator furnishes square pulses of positive polarity. These pulses are used for the regulation of the generator and for synchronizing the operating auxiliary apparatus with the accelerator. A flow chart of this operation is shown. In the continuous mode of operation, the capture and acceleration of the particles occurs in each period of modulation. The synchronization pulses, coincident with the front of the phototransducer pulses, are directed into two channels. In the first of these, the actuating pulses are formed; these pulses move into the exit tube with or without time delay and then into the operator of the high frequency generator. In the second chan-

UDC: 621.384.611.2

Card 1/2

| lay, approximately ration of the par | oulses are formed; these y equal to half the perio | control of the contro | he starting annel must | pulses. | The synchro- |
|---|---|--|---|-----------------------------|--------------------------------------|
| to the initial commode with damping ionic source with scheme did not exthank V. I. Ivano struction of the | fter leaving the coincidential of the nodes of accumulation, increase the pulse method. Lost ceed 0.1% of the operation, Yu. V. Haksimov, and happaratus. Orig. art. ha | of pulse width time due to a ag time of the N. P. Secheno | th of beam, shutdown use accelerate y for taking. | and operating this cor. The | ation of an control suthors the con- |
| SUB CODE: 20/ | SUBM DATE: 29Apr65/ | ORIG REFT | 0107 | OIR RUE | |
| Card 2/2 vm | | | | | |

TOMILINA, T.M.; FOSKALMIKO, A.N.; MALYGINA, Yo.I.; IGHAT YEVA,
M.A.; ANICHKOV, S.V., prof., red.; PYRMITINA, A.A.,
red.

[Practical work in pharmacology] Fraktikum po farmakologiii.
Moskva, Meditsina, 1965. 189 p. (MINA 18:2)

1. Deystvitel'nyy chlen AMN SSSR (for Anichkov).

TOHILINA, T. H.

Dissertation: "Development of the Technique for the Preparation of Antimony Fuensin and the Investigation or Its Properties." Cand Tech Sci, Eelcrussian Polytechnic Inst, Minsk, 1953. Referativnyy Zhurnal--Khimiya, Moscow, No 13, Jul 54.

SO: SUN No. 356, 25 Jan 1955

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756220005-3"

BIRYUKOV, Dmitrii Andreyevich, prof., red.; TOMILINA, T.N., red. LEBEDEVA, G.T., tekhn. red.

[Pharmacology of neurotropic agents; symposium dedicated to the 70th anniversary of Professor S.V.Anichkov, Member of the Academy of Medical Sciences of the U.S.S.R.] Farmakologiia neirotropnykh sredstv; sbornik, posviashchennyi 70-letiiu deistvitel'nogo chlena AMN SSSR professora S.V.Anichkova. Pod red. D.A.Biriukova. Leningrad, Medgiz, 1963. 254 p. (MIRA 17:1)

1. Akademiya meditsinskikh nauk SSSR, Moscow. 2. Deystvitel'myy chlen AMN SSSR (for Biryukov).



REIMN'KIY, M.L.: TONILINA, T.N.

Effect of adenosintriphosphate on function of the intestinal chenoreceptors. Doklady Akad. nank SSSR 81 no.5:961-963 11 Dec 51. (GLML 21:5)

1. Presented by Academician W.N. Anichkov 21 September 1951.
2. Leningrad Sanitary-Hygienic Medical Institute.

TOMILINA, T.H.; KORELOVA, Ye.I.

Result of treating peptic ulcer with diphacil; first report. Trudy ISOMI 20:136-139 '54. (MIRA 10:8)

l. Kafedra farmakologii Leningradukogo sanitarno-gigiyenicheskogo meditsinskogo instituta, zav. kafedroy - deystvitel'nyy chlen AMN SSSR, prof. S.V.Anichkov i klinika fakultetskoy terapii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta, zav. - klinikoy - prof. V.D.Vyshegorodtseva

(PEPTIC UICER, therapy,
diethylaminoethyl ester of diphenyl acetic acid)
(MUSCIE RELAXARTS, therapeutic use,
diethylaminoethyl ester of diphenyl acetic acid in
peptic ulcer)

ABRAMOVA, Zh.I., kand. med. nauk; ANICHKOV, S.V., prof.; BELEN'KIY, M.L. prof.; VAL'DEAN, A.V., doktor med. nauk; VEDEREYEVA, Z.I., kand. med. nauk; VINOCRADOV, V.M., kand. med. nauk; GERSHANOVICH, M.L., kand. med. nauk; GINETSINSKIY, A.G., prof.; GORBOVITSKIY, S.Ye., prof.; CREHENKINA, M.A., dotsent; CREKH, I.F., dots.; DEMISENKO, P.P., kand. med. nauk; D'YACHENKO, P.K., kand. med. nauk; ZHESIYANIKOV, V.D., kand. med. nauk; ZAUGOL'NIKOV, S.D., prof.; ZEYMAL', E.V., kand. med. nauk; ISKAREV, N.A., kand. med. nauk; KARASIK, V.M., prof.; KIVMAN, G.Ya., kand. med. nauk; KOZLOV, O.D., kand. med. nauk; KROTOV, A.I., doktor veter. nauk; KUDRIN, A.N., doktor med. nauk; LAZAREV, N.V., prof.; LAPIN, I.P., kand. med. nauk; MEL'NIKOVA, V.F., prof.; MESHCHERSKAYA, K.A., prof.; MIKHEL'SON, M.Ya., prof.; MOSHKOVSKIY, Sh.D., prof.; PADEYSKAYA, Ye.N., kand. med. nauk; PAHIEOK, V.P., prof.; PERSHIN, G.N., prof.; PLANEL YES, Kh.Kh., prof.; PONOMAREV, G.A., prof.; POSKALENKO, A.N., kand. med. nauk; MUKHIN, Ye.A., dots.; ROZOVSKAYA, Ye.S., dots.; RYBOLOVIEV, R.S., starshiy nauchnyy sotr.; SALYAMON, L.S., kand. med. nauk; SAFRAZBEKYAN, R.R., kand. biol. nauk; TIUNOV, L.A., kend. med. nauk; TOMILINA, T.N., dots.; FELISTOVICH, G.I., kand. med. nauk; FRUYENTOV, N.K., kand. med. nauk; KHAUNINA, R.A., kand. med. nauk; TSYGANOV, S.V., prof.[deceased]; CHERKES, A.I., prof.: (Continued on next card)

ABRAMOVA, Zh.I.—(continued) Card 2.

CHERROV, V.A., doktor med. nauk; SHADURSKIY, K.S., prof.;
YAKOVLEV, V.Ya., doktor khim. nauk; MASHMOVSKIY, H.D., red.;
NIKOLAYEVA, M.M., red.; RULEVA, M.S., tekhn. red.; CHUNAYEVA,
Z.V., tekhn. red.

[Manual on pharmacology] Rukovodstvo po farmakologii. Leningrad, Medgiz. Vol.2. 1961. 503 p. (MIRA 15:1)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Anichkov, Karasik, Cherkes). 2. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Belen'kiy, Ginetsinskiy, Moshkovskiy, Planel'yes).

(PHAHMACOLOGY)

TONILINA, T.N.; SHUL'GA, H.F.

STREET AND THE STATE OF THE STREET PROPERTY OF THE STREET AND THE STREET AND THE STATE OF THE STREET AND THE ST

New operating conditions of synchro-cyclotrons. Prib.i tekh.eksp. no.3:16-17 H-D '56. (NLRA 10:2)

1. Obⁿedinennyy institut yadernykh issledovaniy. (Cyclotron)

TOMILINA, Tat'yana Mikolayawa, dotsent; POSKALENKO, A.N., red.;

RULMYA, W.S., tekhn.red.

[Pocket prescription menual for physicians] Karmennyi retsepturnyi spravochnik dlia vrachei. Leningrad, Gos.izd-vo med.lit-ry Medgiz, Leningr.otd-nie, 1960. 295 p.

(MEDICINE_-FORMULAE, RECEIPTS, PRESCRIPTIONS)

(MEDICINE_-FORMULAE, RECEIPTS, PRESCRIPTIONS)

EMBERARY SEAR CONTROLLEGUAR SEVERICE AND ARTHUR SERVICE SERVICE OF THE SEARCH S

MASCL'NIKOVA, T.K., kand. med. nauk; TOMILINA, V.A., kand. med. nauk

Soil as a preserver and transmitter of infection. Med.sestra
19 no.4:38-40 Ap '60. (MIRA 13:6)

1. TSentral'nyy nauchno-issledovatel'skiy institut sanitarnogo prosveshcheniya Ministerstva z dravookhraneniya SSSR, Moskva.

(SOILS-BACTERIOLOGY)

SEVERDENKO, V.P.; TOMILO, A.P.

Temperature of an operating stamp surface in drop forging, Dokl. 4N BSSR 9 no.1:31-33 Ja 165. (MIRA 18:10)

1. Fiziko-tekhnicheskiy institut AN BSSR.

SEVERDENKO, V.P.; TOMILO, A.P.

Heat exchange at the boundary between a forging and the die. Dokl. AN BSSR 9 no. 4:228-230 Ap 165 (MIRA 19:1)

1. Fiziko-tekhnicheskiy institut AN BSSR. Submitted February 4, 1965.

SEVERDENKO, V.P.; TOMILO, A.P.

Heat-insulating effect of lubricants in forging. Dokl. AN BSSR
(MIRA 18:6)
9 no.3:167-168 Mr 165.

1. Fiziko-tekhnicheskiy institut AN BSSR.

TOMILOV, A.A.; TOMILOVA, V.N.

Injury of the Siberia elm by Rhynchaenus sp. (Coleoptera, Curculionidae) in the Baikal Lake region. Nauch. dokl. vys. shkoly; biol. nauki no. 2:29-32 '64. (MIRA 17:5)

l. Rekomendovana kafedroy zoologii bespozvonochnykh Irkutskogo gosudarstvennogo universiteta.

TCMILOV, A. A.

Kozhov, M.M. I Tomilov, A.A.

33942. O Novykh Nakhodkakh Baykal'skoy Fauny Vnye Baykala. Trudy Vsyesoyuz. Gidrobiol. O-va, T. 1, 1949. S. 224-27. — Bibliogr: 10 Nazv.

SO: Letopis' Zhurnal'nykh Statey, Vol. 46, Moskva, 1949.

KOZHOV. M.M., prof., doktor biolog.nauk; MISHARIN, K.I., dotsent, kand. biolog.nauk. Prinimali uchastiye: TOMILOV. A.A., kand.biolog.nauk; POPOV, P.F., kand.biolog.nauk; YEGOROV, A.G., kand.biolog.nauk; TUGARINA, P.Ya., kand.biolog.nauk; TYUMENTSEV, N.V., nauchnyy sotrudnik; ASKHAYEV, M.G., nauchnyy sotrudnik; NIKOLAYEVA, Ye.P., nauchnyy sotrudnik; KARTUSHIN, A.I., nauchnyy sotrudnik; STERLYAGOVA, M.A., nauchnyy sotrudnik; KORYAKOV, Ye.A.; SPELIT, K.K., inzh.; ARTYUNIN, I.M., inzh.; OKUNEV, P.M.; SHNIPER, R.I., rabotnik; SHAFIROVA, A.S., red.; SOROKINA; T.I., tekhn.red.

[Fishes and commercial fishing in Lake Baikal] Ryby i rybnoe khoziaistvo v basseine ozera Baikal. Irkutskoe, knizhnoe izd-vo, 1958. 745 p. (MIRA 12:4)

1. Sotrudniki Irkutskogo gosuniversiteta (for Misharin, Tomilov, Popov, Yegorov, Tugarina). 2. Sotrudnik Baykal'skoy limnologicheskoy stantsii Akademii nauk SSSR (for Koryakov). 3. Baykalrybtrest (for Spelit, Artyunin). 4. Gosplan Buryat-Mongol'skoy ASSR (for Shniper). (Baikal, Lake-Fisheries)

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近位是自己的特别的现在分词是是否的自己的问题是是对比多数的表示。这个是是不是是是不是一个。

TOMILOV, A.G.

We have an efficient way to conduct track overhauling operations.

Put' i put.khoz. 7 no.8:25 '63. (MIRA 16:9)

1. Glavnyy inzh. putevoy mashinnoy stantsii No.179, stantsiya Promyshlennaya, Zapadno-Sibirskoy dorogi. (Siberia, Western-Railroads-Track)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756220005-3"

TOMILOV, A. N.

"The Lakes of the Vitim River Basin, Their Fauna and National Economic Meaning." Cand Biol Sci, Irkutsk State U, Irkutsk, 1953. (RZhBiol, No 6, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

Electroreduction of agetylene linkage. Usp.khim. 31 no.10:1217-1230 (MIRA 15:11)

(Triple bonds) (Reduction, Electrolytic)

TOMHLOV, A.P.; KAABAK, L.V.; VARSHAVSKIY, S.L.

Electrochemical reduction of nitriles. Khim.prom.
no.9:562-566 Ag '62. (MIRA 15:9)

(Reduction, Electrolytic)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756220005-3"

VARSHAVSKIY, S. L.; TOMILOV, A. P.; SMIRNOV, Yu. D.

Electrochemical method for preparing trialkyl phosphates. Zhur.

VKHO 7 no.5:598-599 | 62. (MIRA 15:10)

(Phosphoric acid) (Electrochemistry)

Tomilor, A.P.

USSR/Chemistry - Organic electrochemistry

FD-371

Card 1/1.

Pub.50 - 4/24

Author

Khomyakov, V. G., Cand Tech Sci; Tomilov, A. P.; Fioshin, M. Ya., Cand Tech Sci.

Title

: Some prospects of the industrial application of the electrosynthesis of organic substances

Periodical : Khim. prom., No 6, 339-340 (19-20), Sep 1954

Abstract

Review some USSR and foreign work on the production of various organic chemicals by electrochemical methods. State that the electrochemical method is superior to purely chemical methods of industrial synthesis from the standpoint of the area occupied by the equipment and the purity of the products obtained, that the capacity of electrochemical equipment can be increased, and that the cost of power cannot be regarded as an obstacle to the application of electrochemical procedures. Advocate that research leading to the industrial application of electrochemical methods be conducted at special laboratories attached to institutes of the Academy of Sciences USSR, the Ministry of Chemical Industry, and other ministries. Twenty four references, 17 USSR, 8 since 1940.

Institution: Moscow Order of Lenin Chemicotechnological Institute imeni D. I. Mendeleyev.

Submitted

AUTHORS:

Fioshin, M. Ya., Popova, Ye. S.,

S07/15650-3-33/52

Tomilov, A. P.

TITLE:

The Electrolysis of Potassium Bifluoride Solution in Anhydrous Acetic Acid (Elektroliz rastvora biftorida kaliya v besvodnog

uksusnoy kislote)

地位的各类智能是自己的企业的自己的主义。

PERIODICAL:

Mauchnyye doklady vysshey shkoly, Khimiya i khimicheskaya

tekhnologiya, 1958, Nr 3, pp. 533 - 535 (USSR)

ABSTRACT:

The products of the electrolysis of potassium bifluoride in anhydrous acetic acid solution with an insoluble anode were investigated. The electrolysis was carried out in cells without a diaphragm to separate the anodic from the cathodic space. The results obtained showed that a change in the current density from 0,01 to 0,1 A/cm² as well as an increase in temperature from 20 to 70°C do not influence the character of the electrolytic

process. The results obtained showed that at the cathode hydrogen

is formed in quantity according to "Faraday's Law. Ethane, acetylfluoride and CO, occur in addition to hydrogen as the

gaseous products formed in the electrolysis. Besides acetic acid methylacetate was also found in the liquid products formed in the

Card 1/2

The Electrolysis of Potassium Bifluoride Solution in SOV/15698-3-33/52 Anhydrous Acetic Acid

electrolysis. 90% of the current was consumed at the platinum electrode for the formation of ethane and CO₂ according to the Kolbe reaction. The rest served for the destruction of the anode and for the formation of methylalcohol according to the Hofer-Moest reaction. There are 1 table and 5 references, 0 of which is Soviet.

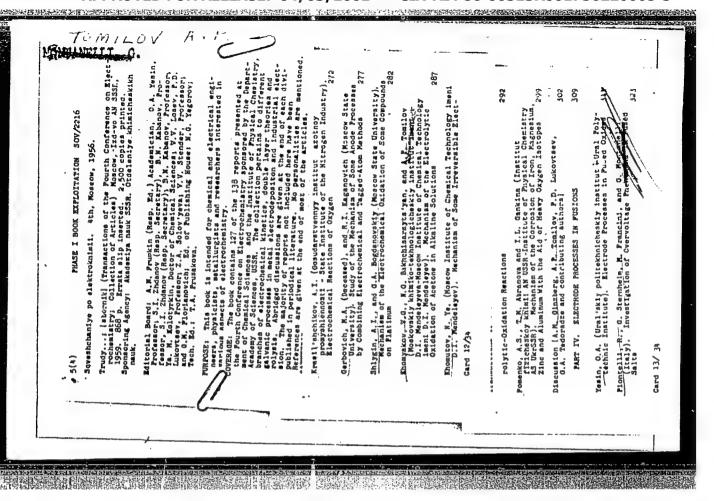
ASSOCIATION:

Kafedra tekhnologii elektrokhimicheskikh proizvodstv Moskovskogo khimiko-tekhnologicheskogo instituta im D.I Mendeleyeva (Chair for the Technology of Electrochemical Products of the Moscow Chemical and Technological Institute imeni D.I.Mendeleyey)

SUBMITTED:

September 26, 1957

Card 2/2



sov/64-59-4-4/27 Khomyakov, V. G., Fioshin, M. Ya., Tomilov, A. P. 5(1) 5(2) Electrochemical Methods of the Synthesis of Some Initial Ma-AUTHORS: terials for High Polymers (Elektrokhimicheskiye metody sinteza nekotorykh iskhodnykh materialov dlya vysokopolimerov) TITLE: Khimicheskaya promyshlennost', 1959, Nr 4, pp 16 - 20 (USSR) Some examples of applying electrolytical methods for the pro-PERIODICAL: duction of polymers are given and discussed. Manufacturing methods of raw materials being important for the production ABSTRACT: of polyamide resins, as for example hexamethylene diamine or adipinic acid dinitrile and dibasic dicarboxylic acids, among them mainly sebacic acid, are discussed. Also the production of organofluorine compounds by electrochemical fluorination of the dissolved organic substances or carbon chlorides are discussed. The electrosyntheses of pinacon being important for the production of some types of rubber is also described. It is pointed to the fact that the theoretically interesting electrochemical initiation of the polymerisation reaction will also be of practical importance. These reactions, however, are not yet sufficiently investigated and further investigations have Card 1/2

Electrochemical Methods of the Synthesis of Some Initial Materials for High Polymers

507/64-59-4-4/27

to be carried through. By means of the electrochemical initiation of the methyl methacrylate polymerisation the course of the polymerisation initiation is represented according to data by G. Parravano (Ref 39). There are 40 references, 5 of which are Soviet.

Card 2/2

5(1),5(3)

AU THORS:

Khomyakov, V.G., Candidate of Technical Sciences, Tomilov, A.P.,

S/064/59/000/07/003/035

B005/B123

Candidate of Technical Sciences

TITLE:

Examples of the Possible Use of Electrolysis of Organic Compounds in Industry

PERIODICAL:

Khimicheskaya promyshlennost', 1959, Nr 7, pp 566-573 (USSR)

ABSTRACT:

In the present paper the authors offer examples to confirm their statement that by using electrochemical methods in organic synthesis it is often possible to use more accessible initial substances, and thus to simplify considerably the whole technological process. The article consists of an enumeration and a short discussion of a great number of electrochemical methods of synthesis that are described in publications. The article is divided into the following sections: Anode processes (oxidation, substitution); cathode processes (reduction of

multiple bonds between two carbon atoms, reduction of function-

al groups, replacement of halogen by hydrogen); reactions of free radicals that can appear in a series of cathode- and anode

Card 1/3

processes. In this last section interactions of the free radical

Examples of the Possible Use of Electrolysis of Organic Compounds in Industry

S/064/59/000/07/003/035 B005/B123

with electrode material, idsproportionation, dimerization, interaction with unsaturated compounds and internal electolysis are discussed. Finally, the authors come to the conclusion that the objections raised to the use of the methods in question, will lose their validity in the course of technical development. The method of electrochemical synthesis of organic substances, however, has two great disadvantages: 1) low productivity of apparatus. The electrochemical synthesis mainly functions on the electrodes; the majority of these processes takes a relatively slow course, so that the current densities are restricted to 200-600 a/m2. An intensification of electrode processes can be achieved by acceleration (catalysis, selection of hydrogen- and oxygen carriers) or by the manufacture of electrodes with very great (spongy or porous) surfaces. 2) Quick inactivation of the electrode, that often leads to a quick decline of yield. Reactivating the electrodes is a difficult procedure in the course of which the apparatus has to be taken apart. The simplification of this reactivation is a problem that has to be solved in order to guarantee the industrial use

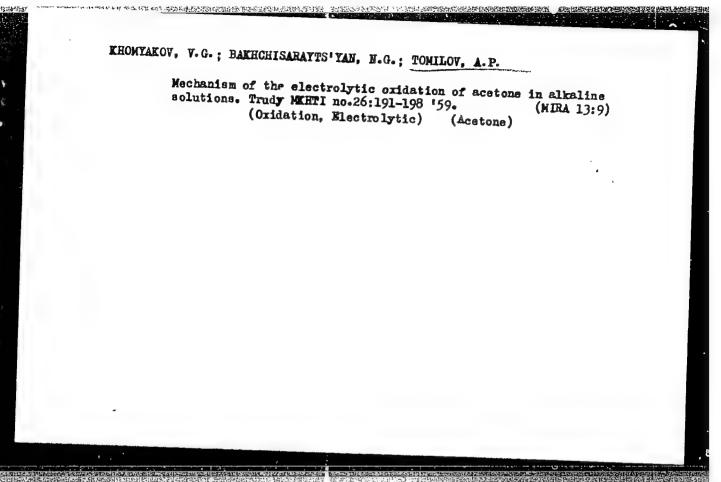
Card 2/3

Examples of the Possible Use of Electrolysis of Organic Compounds in Industry

S/064/59/000/07/003/035 B005/B123

of many electrochemical processes of organic synthesis. There are 2 figures and 72 references, 19 of which are Soviet.

Card 3/3



s/191/60/000/010/00./017 B004/B060

AUTHORS:

Fioshin, M. Ya., Tomilov. A. P.

TITLE:

Production of Polymers by Electrochemistry

PERIODICAL:

Plasticheskiye massy, 1960, No. 10, pp. 2-5

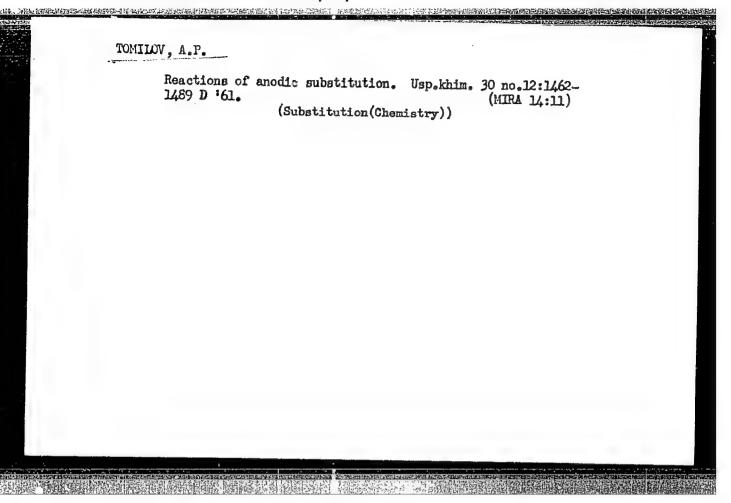
TEXT: This is a survey of Western literature and Western patents concerning the bringing about of polymerization by the electrolytical formation of free radicals. Western papers concerning the polymerization of styrene, acrylonitrile, methyl methacrylate, and particularly halogen olefins are discussed. As to the latter the advantage is pointed out that neither high pressure nor high temperature are required for polymerization by free radicals formed by electrolysis. The use of anhydrous solvents and high monomer occupantations is said to be promising. There are 20 references: 5 Soviet, 7 US, 2 British, and 6 German.

Card 1/1

VARSHAVSKIY, S.L.; TONILOV, A.P.

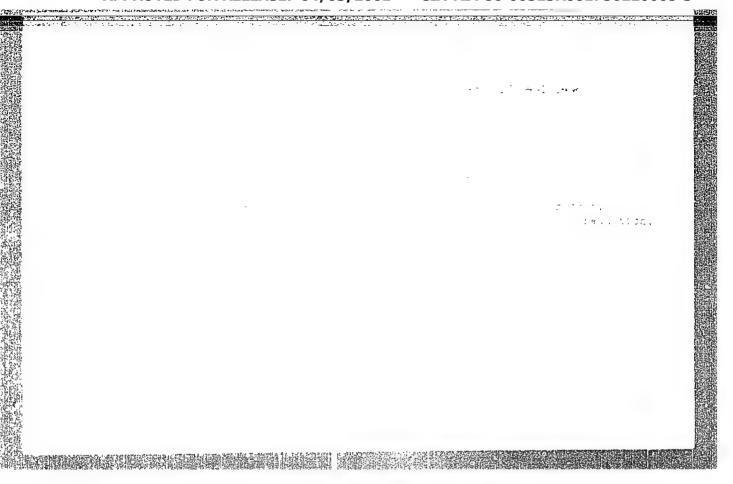
Joint hydrodimerization of acetone and mesityl oxide. Zhur.
VKHO 5 no. 5:597-598 60. (MEA 13:12)

(Acetone) (Mesityl oxide)



KAABAK, L.V.; TOMILOV, A.P.; VARSHAVSKIY, S.L.

Electroeduction of unsaturated nitriles. Part 4: Electroeduction of 1-cyano-1, 3-butadiene. Zhur. ob. khim. 34 no.7: 2107-2111 Jl v64 (MIRA 17:8)





FEOKTISTOV, L.G.; TOMILOV, A.P.; SMIRNOV, Yu.D.; GOL'DIN, M.M.

Nature of the cathodic breaking of the carbon-halogen bond. Elektro-khimiia 1 no.8:887-893 Ag 165. (MIRA 18:9)

1. Institut elektrokhimiia AN SSSR.

TOMILOV, A.P.; SMIRNOV, Yu.D.; KALITINA, M.I.

Electrochemical chlorination of ethylene in anhydrous methyl alcohol. Zhur.prikl.khim. 38 no.9:2123-2125 S *65.

(MIRA 18:11)

国工程的公共和共产品的基本的企会,但是国际政策的企业,但是国际政策的企业,但是国际政策的。但是是国际政策的关系,为了为了,但是是国际政策的政策的企业,但是国际政策的企业,但是

FEOKTISTOV, L.G., TOMILOV, A.P., SEVAST'YANOVA, I.G.

Relation between the acrylonitrile electroreduction products and the proton-donor properties of solution. Elektrokhimia 1 no.10:1300-1303 0 165. (MIRA 18:10)

1. Institut elektrokhimii AN SSSR.

TOMILOV, A.F.; SERGO, A.A.; VARSHAVSKIY, S.L.

Electroreduction of glyceraldehyde to glycerol and hexite.

Elektrekhimia 1 no.9:1126-1129 S 165. (MIRA 18:10)

TOMILOV, A.F.; KALITINA, M.I.

Electroreduction of methyl ethyl ketons. Zhur. prikl. khim. 38 no.7:
1574-1579 Jl '65. (MIRA 18:7)

TOMILOV, A.P.; VARSHAVSKIY, S.L.; KULIKOV, M.T.; SMIRNOV, Yu.D.

Electrochemical synthesis of hexamethylendiamine and amino capronitrile. Khim. prom. 41 no.5:329-333 My '65.

(MIRA 18:6)

